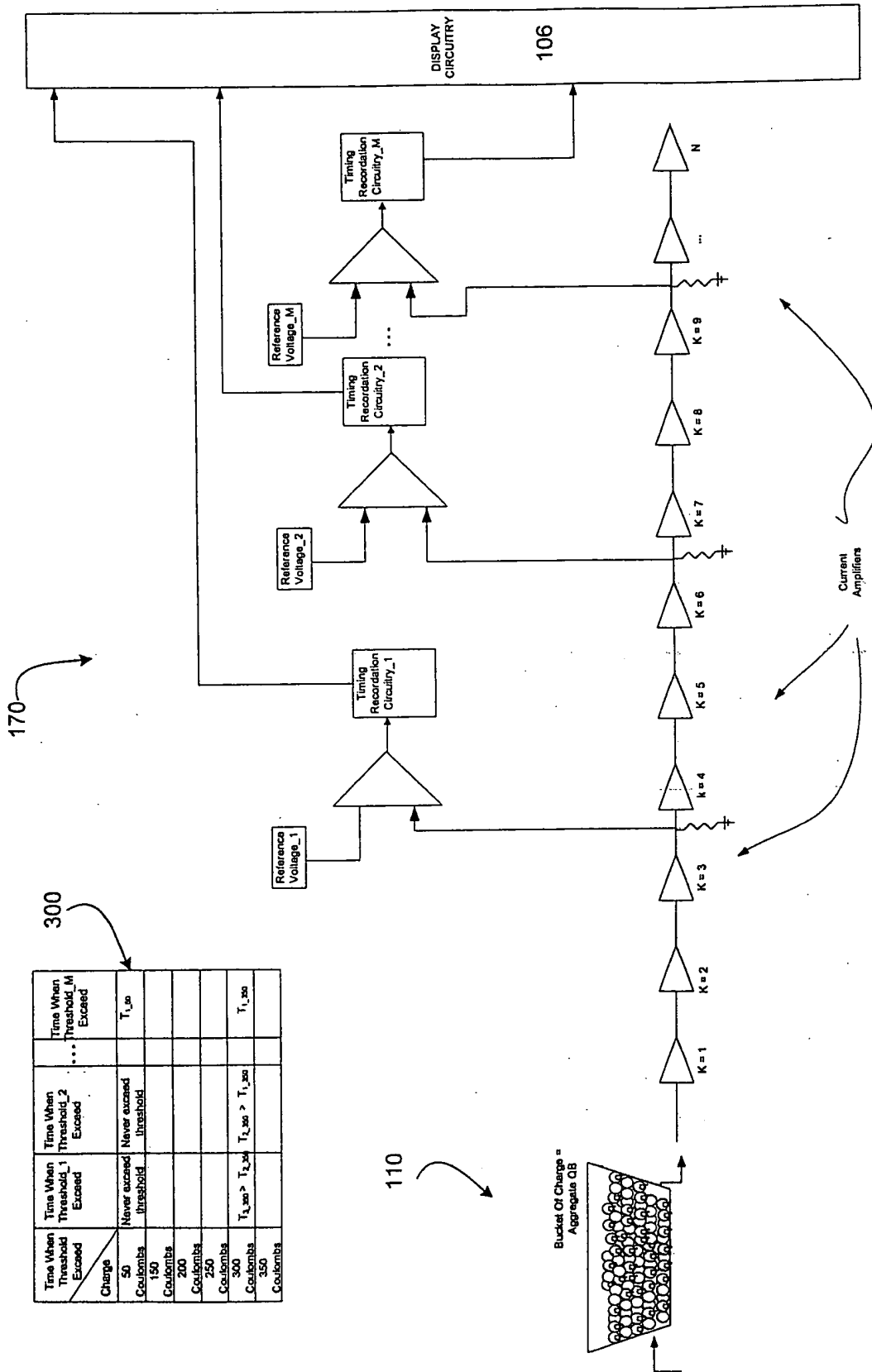
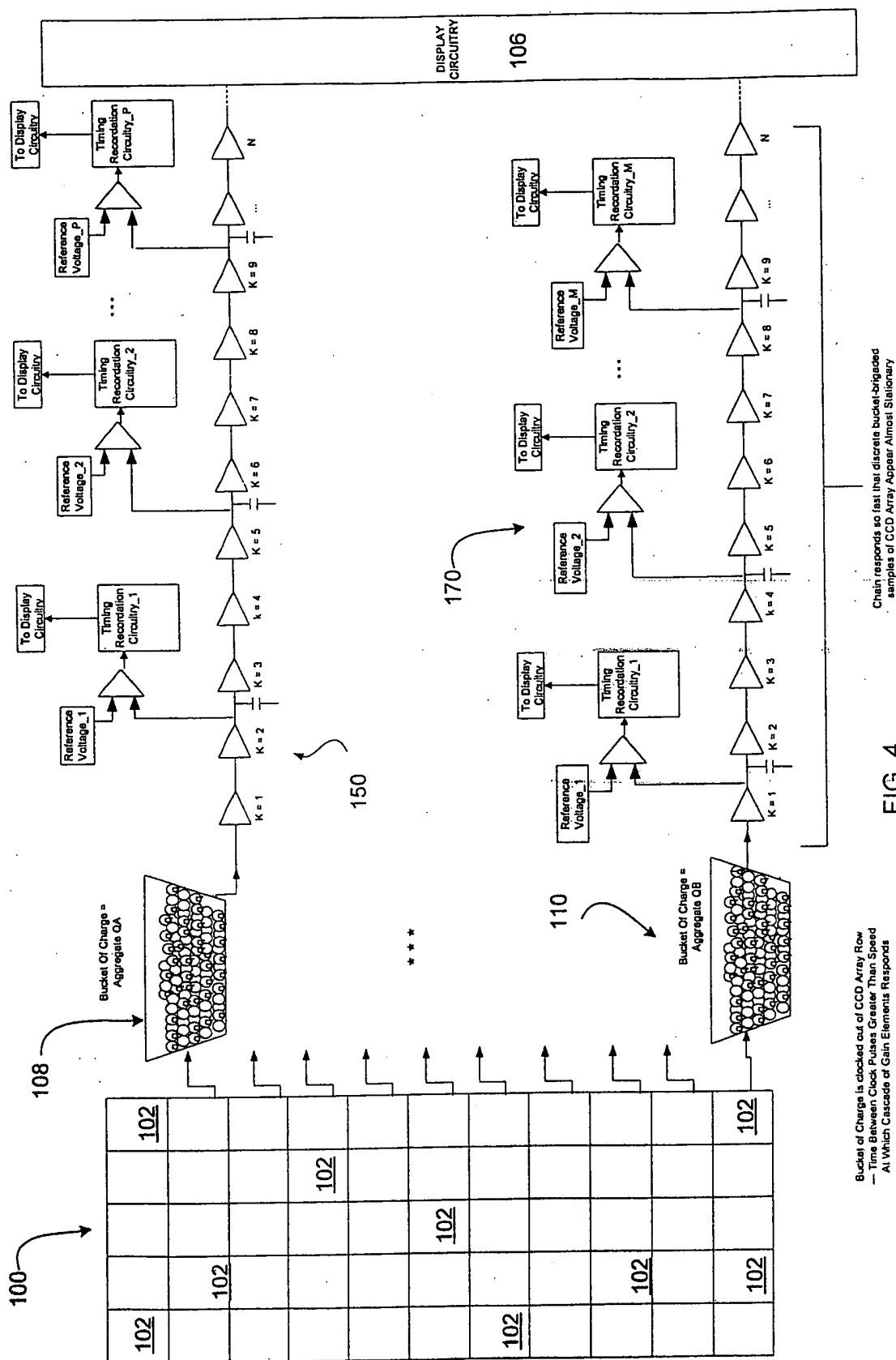


FIG. 2

FIG. 3

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Chain responds so fast that discrete bucket-brigaded samples of CCD Array Appear Almost Stationary

FIG. 4

Bucket of Charge is clocked out of CCD Array Row — Time Between Clock Pulses Greater Than Speed At Which Cascade of Gain Elements Responds

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Charge	Time When Threshold Exceed	Time When Threshold_1 Exceed	Time When Threshold_2 Exceed	Time When Threshold_M Exceed
50 Coulombs		Never exceed threshold		$T_{1,50}$
150 Coulombs				
200 Coulombs				
250 Coulombs				
300 Coulombs				
350 Coulombs				

300

FIG. 5

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